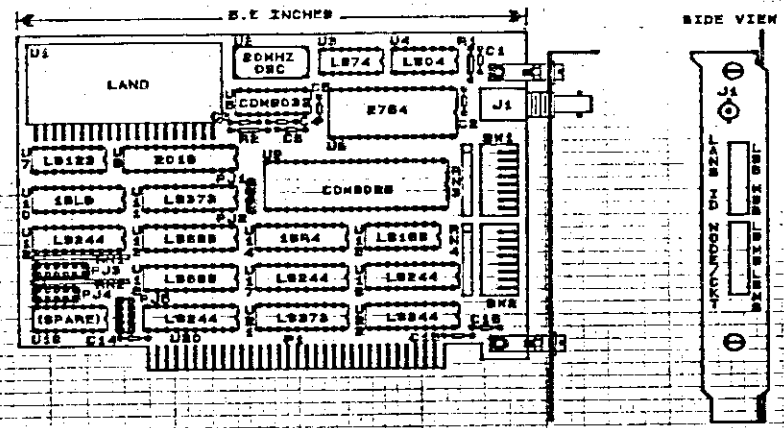


REMOVABLE COMPONENT LIST

ITEM #	ITEM	DESCRIPTION	QTY	REF. DESIG.
1	18L8	PAL	1	U10
2	1854	PAL	1	U14
3	2018	2KX8 STATIC RAM	1	U9
4	2732 OR 2764	EPROM	1	U6
5	74LS04	HEX INVERTER	1	U4
6	74LS74	DUAL FLOP	1	U3
7	74LS123	ONE SHOT	1	U7
8	74LS166	8-BIT SHIFT REG	1	U15
9	74LS244	OCTAL BUFFER	5	U12, U17, U18 U20, U22
10	74LS373	OCTAL REGISTER	2	U11, U21
11	74LS688	8-BIT COMPARATOR	2	U13, U16
12	COMBO86	LAN CONTROLLER	1	U9
13	COMBO32	LAN TRANSCEIVER	1	U5

FIXED COMPONENT LIST

ITEM #	ITEM	DESCRIPTION	QTY	REF. DESIG.
1	BLANK PCB	-	1	LANPCB
2	CAPACITOR	0.005UF, CERAMIC	4	C1
3	CAPACITOR	0.1UF, CERAMIC	2	C3, C4
4	CAPACITOR	4.7UF DIP TANTALUM	2	C5, C6
5	CAPACITOR	10UF DIP TANTALUM	3	C14, C15, C16
6	CAPACITOR	0.1UF CER (DECOUP)	7	C7, C8-C13
7	CONNECTOR	COAXIAL (BNC TYPE)	1	J1
8	DIP SWITCH	8 POSITION DIP SWITCH	2	SW1-SW2
9	LAND	LAN DRIVER	1	U1
10	OSCILLATOR	20 MHZ	1	U2
11	RESISTOR	12K OHM, 1/2W	1	R1
12	RESISTOR	180K OHM, 1/4W	1	R2
13	RESISTOR SIP	3.3K OHM, 10 PIN	4	RN1, RN2, RN3 RN4
14	PC BRACKET	MOUNTING BRACKET	1	-
15	#4 SCREW	MOUNTING SCREW	2	-
16	#4 NUT	MOUNTING NUT	2	-
17	#4 WASHER	MOUNTING WASHER	2	-

SOCKETS

	TYPE	QTY
	14 PIN DIP	3
	16 PIN DIP	2
	20 PIN DIP	11
*	24 PIN DIP	1
	28 PIN DIP	1
	40 PIN DIP	1

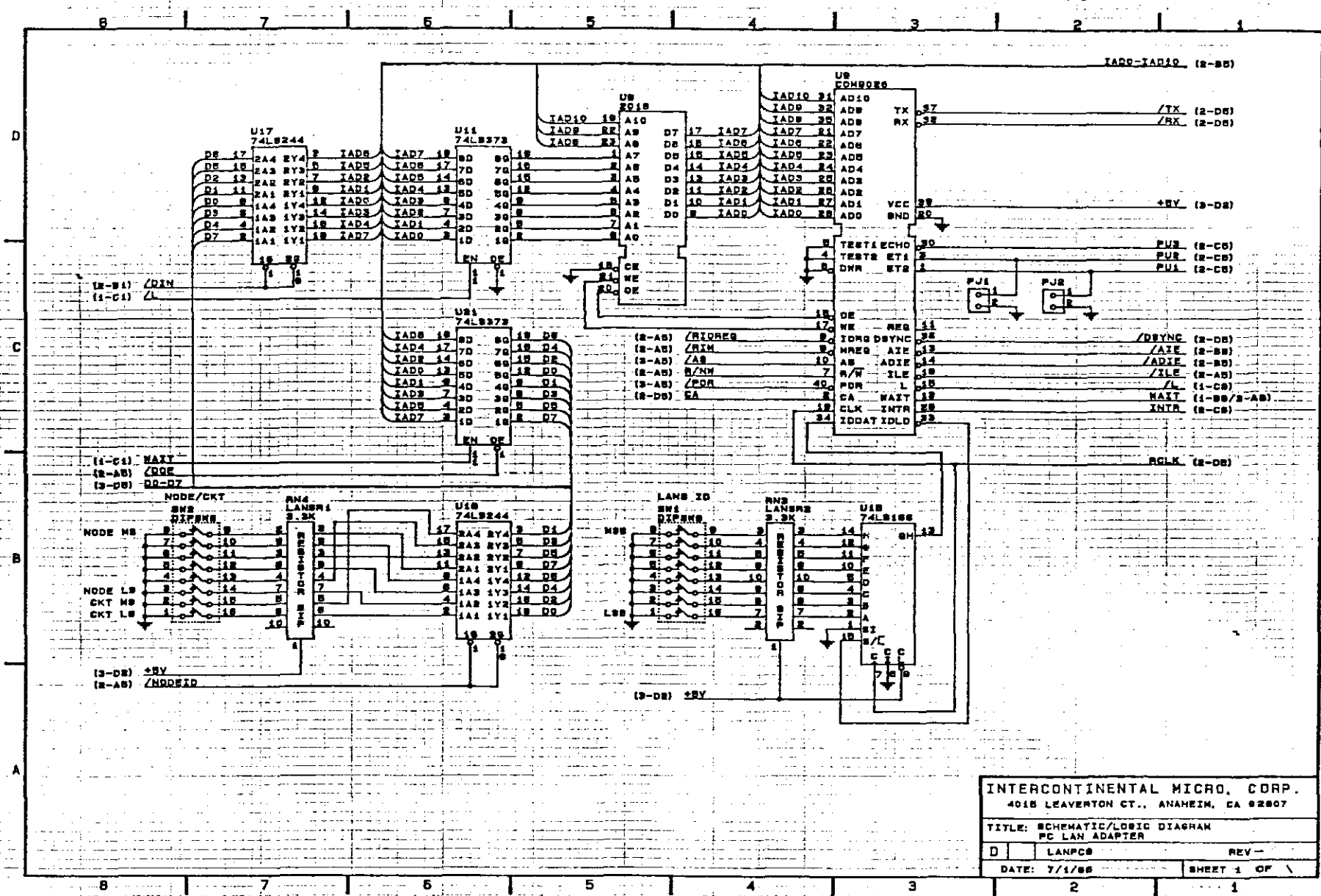
* NOTE: 0.3 INCH WIDTH; OTHERWISE KNOWN AS A "SKINNY DIP".

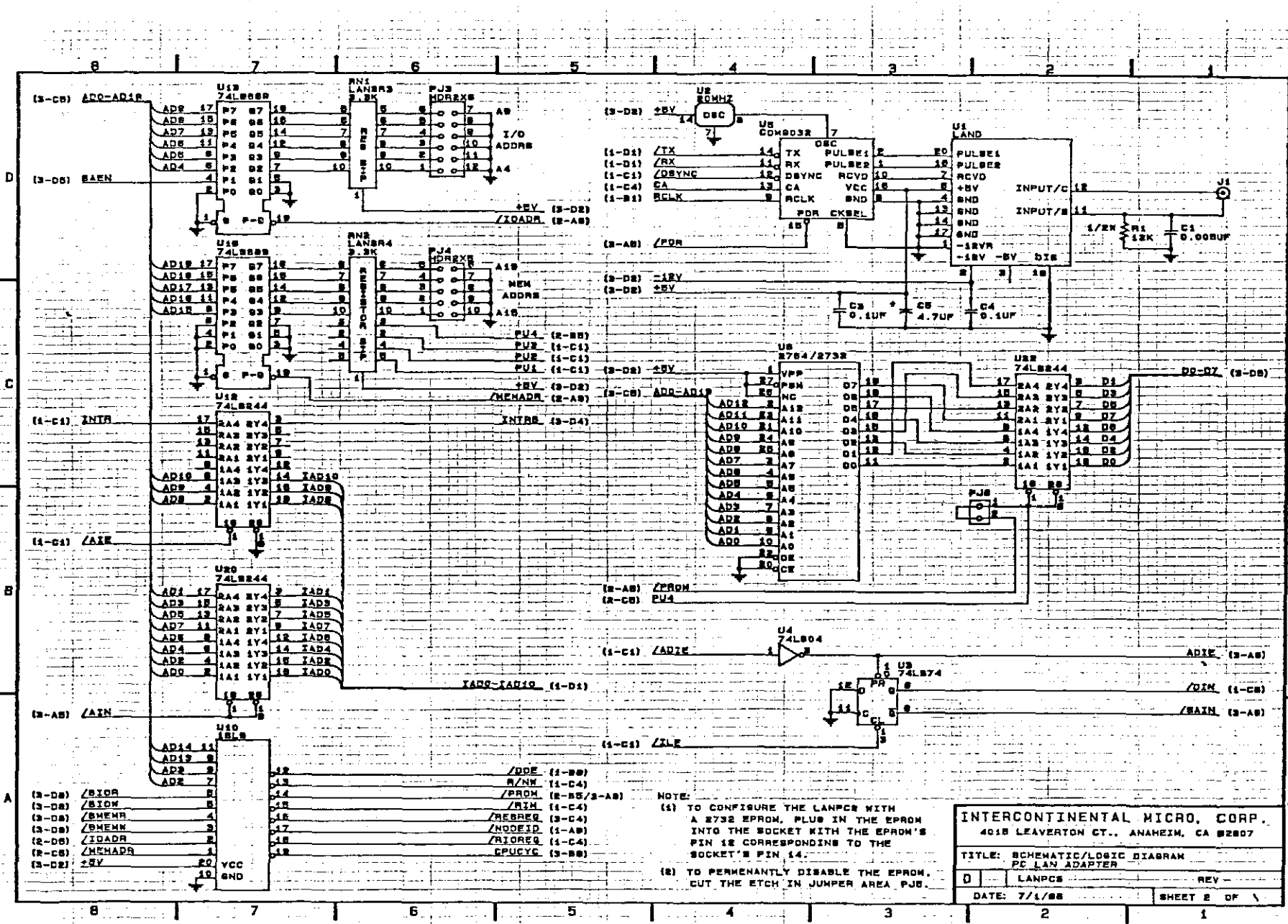
INTERCONTINENTAL MICRO, CORP.
4015 LEAVERTON CT., ANAHEIM, CA 92807

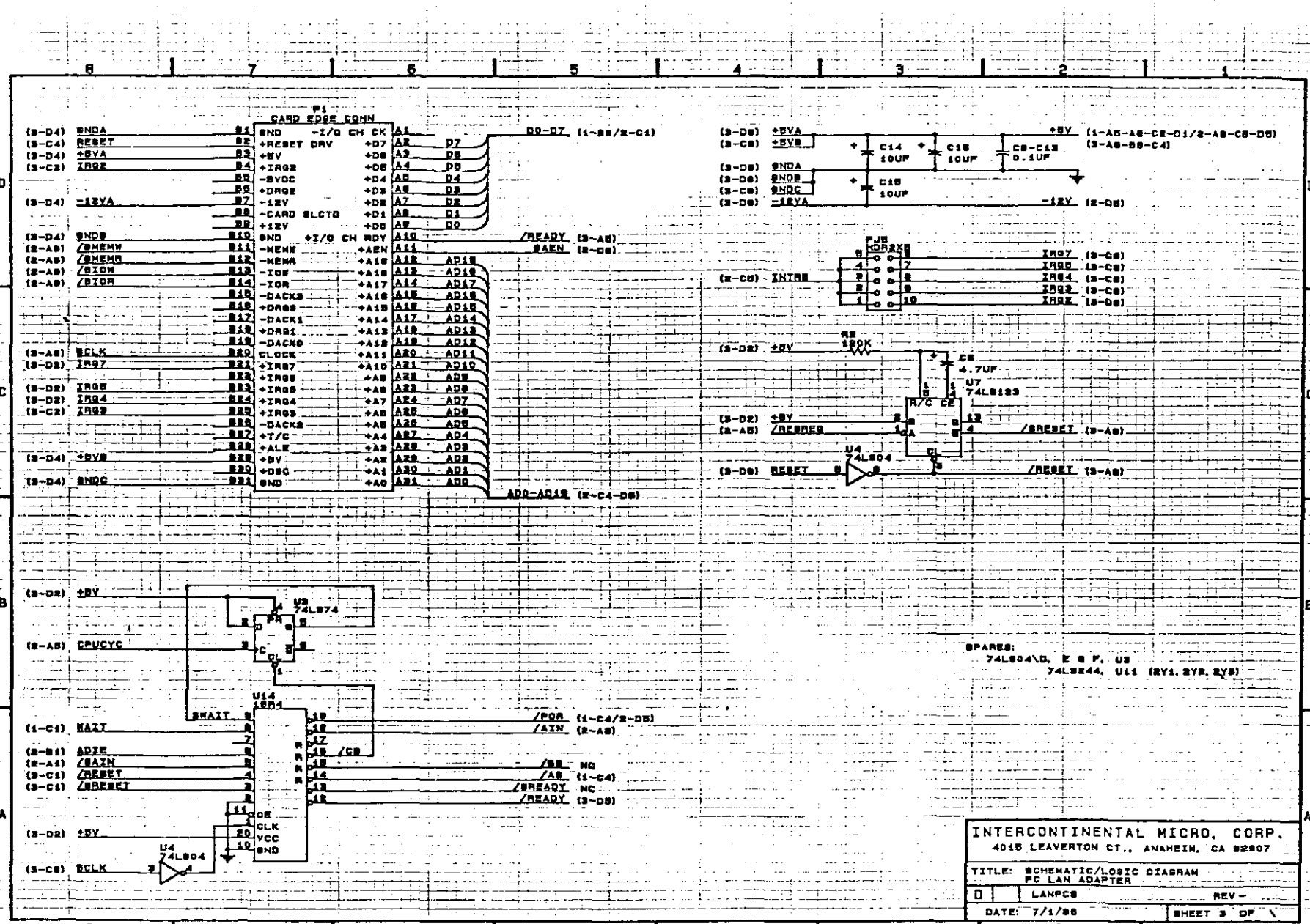
TITLE: PCB LAYOUT & PARTS LIST
PC LAN ADAPTER

D | LANPCB | REV -

DATE: 7/1/88 | SHEET 1 OF 1


U17
74LS244
U11
74LS373
U9
8018
U8
COM9026
U21
74LS373
U18
74LS244
U15
74LS166
RN2
DIPSW8
RN4
LANSW1
3.3K
RN1
DIPSW8
RN3
LANSW2
3.3K
NODE/CKT
LANS ID
IAD0-IAD10 (2-B5)
/TX (2-D6)
/RX (2-D6)
+5V (3-D8)
PU3 (2-C6)
PU2 (2-C6)
PU1 (2-C6)
/DSYNC (2-D6)
/AIE (2-B6)
/ADIE (2-B5)
/ILE (2-A5)
/L (1-C8)
WAIT (1-B8/2-A8)
INTR (2-C6)
RCLK (2-D8)
(2-B4) /DIN
(1-C1) /L
(1-C1) WAIT
(2-A6) /DOE
(3-D6) D0-D7
(3-D2) +5V
(2-A6) /NODEID
(3-D2) +5V
NODE MS
NODE LS
CKT MS
CKT LS
MSB
LSB
INTERCONTINENTAL MICRO, CORP.
4016 LEAVERTON CT., ANAHEIM, CA 92807
TITLE: SCHEMATIC/LOGIC DIAGRAM
PC LAN ADAPTER
D
LANPC8
REV—
DATE: 7/1/86
SHEET 1 OF


INTERCONTINENTAL MICRO, CORP.
4015 LEAVERTON CT., ANAHEIM, CA 92807
TITLE: SCHEMATIC/LOGIC DIAGRAM
PC LAN ADAPTER
LANPCS
REV -
DATE: 7/1/88
SHEET 2 OF
NOTE:
(1) TO CONFIGURE THE LANPCS WITH A 2732 EPROM, PLUG IN THE EPROM INTO THE SOCKET WITH THE EPROM'S PIN 12 CORRESPONDING TO THE SOCKET'S PIN 14.
(2) TO PERMENANTLY DISABLE THE EPROM, CUT THE ETCH IN JUMPER AREA PJ6.


P1
CARD EDGE CONN
-I/O CH CK
+I/O CH RDY
(3-D4) GNDA
(3-C4) RESET
(3-D4) +5VA
(3-C2) IRQ2
(3-D4) -12VA
(3-D4) GNDB
(2-A8) /MEMW
(2-A8) /MEMR
(2-A8) /IOW
(2-A8) /IOR
(3-A8) BCLK
(3-D2) IRQ7
(3-D2) IRQ6
(3-D2) IRQ4
(3-C2) IRQ3
(3-D4) +5VB
(3-D4) GNDC
D0-D7 (1-B8/2-C1)
/READY (3-A8)
AEN (2-D8)
AD8-AD15 (2-C4-D8)
(3-D8) +5VA
(3-C8) +5VB
(3-D8) GNDA
(3-C8) GNDB
(3-C8) GNDC
(3-D8) -12VA
C14 10UF
C16 10UF
C8-C13 0.1UF
C15 10UF
+5V (1-A5-A8-C2-D1/2-A8-C8-D5)
(3-A8-B8-C4)
-12V (2-D5)
(2-C8) INTR8
IRQ7 (3-C8)
IRQ6 (3-C8)
IRQ4 (3-C8)
IRQ3 (3-C8)
IRQ2 (3-D8)
(3-D2) +5V
R2 120K
C8 4.7UF
U7 74LS123
A/C CE
CL
(3-D2) +5V
(2-A5) /RESREG
/SRESET (3-A8)
U4 74LS04
(3-D8) RESET
/RESET (3-A8)
(3-D2) +5V
U3 74LS74
PR
D
C
CL
(2-A8) CPUCYC
U14 16R4
SWAIT
(1-C1) WAIT
(2-B1) ADIE
(2-A1) /BAIN
(3-C1) /RESET
(3-C1) /SRESET
/POR (1-C4/2-D8)
/AIN (2-A8)
/CS
/SS NC
/AS (1-C4)
/SREADY NC
/READY (3-D8)
OE
CLK
VCC
GND
(3-D2) +5V
U4 74LS04
(3-C8) BCLK
SPARES:
74LS04\D, E & F, U3
74LS244, U11 (RY1, RY2, RY3)
INTERCONTINENTAL MICRO, CORP.
4015 LEAVERTON CT., ANAHEIM, CA 92807
TITLE: SCHEMATIC/LOGIC DIAGRAM
PC LAN ADAPTER
D
LANPC8
REV-
DATE: 7/1/88
SHEET 3 OF